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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 11210-010-999	APPLICATION NO. 09/970,087
	APPLICANT Pisharody et al.	
	FILING DATE October 2, 2001	GROUP 1744

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,252,294	10-12-93	Kroy et al.			
AB	5,466,575	11-14-95	Cozzette et al.			
AC	5,475,341	12-12-95	Reed			
AD	5,601,980	02-11-97	Gordon et al.			
AE	5,632,957	05-27-97	Heller et al.			
AF	5,846,708	12-08-98	Hollis et al.			
AG	5,653,939	08-05-97	Hollis et al.			
AH	5,945,832	08-31-99	Harvey III et al.			
AI	6,060,023	05-09-00	Maracas			
AJ	6,063,573	05-16-00	Kayyem			
AK	6,071,699	06-06-00	Meade et al.			
AL	6,087,100	07-11-00	Meade et al.			
AM	6,090,933	07-18-00	Kayyem et al.			
AN	6,096,273	08-01-00	Kayyem et al.			
AO	6,110,354	08-29-00	Saban et al.			
AP	6,203,981	03-20-01	Ackley et al.			
AQ	6,221,583 B1	04-24-01	Kayyem et al.			
AR	6,221,586 B1	04-24-01	Barton et al.			
AS	6,245,508	06-12-01	Heller et al.			
AT	6,261,776 B1	07-17-01	Pirring et al.			
AU	6,290,839	09-18-01	Kayyem et al.			
AV	6,303,316 B1	10-16-01	Kiel et al.			
AW	6,320,200	11-20-01	Reed et al.			
AX	6,379,897	04-30-02	Weidenhammer et al.			
AY	6,395,480 B1	05-28-02	Hefti			
AZ	6,399,303	06-04-02	Connolly			
BA	6,429,027 B1	08-06-02	Chee et al.			
BB	6,458,600 B1	10-01-02	Mirsky et al.			
BC	6,461,820 B1	10-08-02	Barton et al.			
BD	6,468,806	10-22-02	McFarland et al.			
BE	6,479,301	11-12-02	Balch et al.			
BF	US 2003/0064390 A1	04-03-03	Schülein et al.			



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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
✓	BG	WO 98/19151	May 7, 1998	PCT			
✓	BH	WO 99/57550	Nov. 11, 1999	PCT			
✓	BI	WO 01/43870 A2	June 21, 2001	PCT			
✓	BJ	WO 01/44501 A2	June 21, 2001	PCT			X Abstract
✓	BK	10-146183	June 2, 1998	Japan			X
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
✓	BL	ALEXANDER; "Biopoly Money"; Wired Archive 8.06; June 2000.					
✓	BM	CAI et al.; "Self-Assembled DNA Networks and Their Electrical Conductivity"; Applied Physics Letters 77; November 6, 2000; pp. 3105-3106.					
✓	BN	CORBY et al.; "Studies on Phosphorylation. Part X. The Preparation of Tetraesters of Pyrophosphoric Acid from Diesters of Phosphoric Acid by Means of Exchange Reactions"; Journal of the Chemical Society; April, 1952; pp. 1234-1243.					
✓	BO	DATTA et al.; "Current-Voltage Characteristics of Self-Assembled Monolayers by Scanning Tunneling Microscopy"; Physical Review Letters 79; September 29, 1997; pp. 2530-2533.					
✓	BP	DILL et al.; "Antigen Detection Using Microelectrode Array Microchips"; Analytica Chimica Acta 444; 2001; pp. 69-78.					
✓	BQ	ECKSTEIN et al.; "Oligonucleotide Syntheses by means of 2,2,2-Trichloroethyl Phosphorodichoridate"; Angew. Chem. Internat. Edit.; Vol. 6 (1967); No. 11, p. 949.					
✓	BR	ENGELS; "Electrochemical Removal of Protecting Groups in Nucleotide Synthesis"; Angew. Chem. It. Ed. Engl. 18 (1979), No. 2; pp. 148-149.					
✓	BS	FAHLMAN and SEN; "DNA Conformational Switches as Sensitive Electronic Sensors and Analytes"; J. Am Chem. Soc. 124; April 2, 2002; pp. 4610-4616.					
✓	BT	FINK and SCHONENBERGER; "Electrical Conduction Through DNA Molecules"; Nature 398; April 1, 1999; pp. 407-410.					
✓	BU	GIESE et al.; "Direct Observation of Hole Transfer Through DNA by Hopping Between Adenine Bases and by Tunneling"; Nature 412; July 19, 2001; pp. 318-320.					
✓	BV	HIANIK et al.; "Amperometric Detection of DNA Hybridization on a Gold Surface Depends on the Orientation of Oligonucleotide Chains"; Biochemistry 53; 2001; pp. 199-204.					
✓	BW	HJORT and STAFSTRÖM; "Band Resonant Tunneling in DNA Molecules"; Physical Review Letters 87; November 26, 2001; pp. 228101-2 through 228101-4.					
✓	BX	IMOTO et al.; "Synthesis and Antitumor Activity of N-Acetyl muramyl-L-alanyl-D-isoglutamine 6-Phosphate and Its Lipophilic Derivatives"; Bull. Chem Soc. Jpn. 59 (1986); pp. 3207-3212.					



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		APPLICANT	
		Pisharody et al.	
		FILING DATE	GROUP
		October 2, 2001	1744
✓	BY	IWAKUMA, et al.; "Selective Removal of Protecting Groups Using Controlled Potential Electrolysis"; Journal of the American Chemical Society 94:14; July 12, 1972; pp. 5139-5140.	
	BZ	KASUMOV et al.; "Proximity-Induced Superconductivity in DNA"; Science 291; January 12, 2001; pp. 280-282.	
	CA	KATO et al. "Studies of Organo Sulfur Compounds. II. The Preparation and Reactions of Benzoyl Benzenethiosulfonates"; Bulletin of the Chemical Society of Japan; Vol. 46 (1973), pp. 860-863.	
	CB	KELLEY et al.; "Single-Base Mismatch Detection Based on Charge Transduction Through DNA"; Nucleic Acids Research 27; 1999; pp. 4830-4837.	
	CC	KERR et al.; "Carbohydrates tagged with the $\text{CCo}_3(\text{CO})_9$ cluster"; J. Chem. Soc., Dalton Trans.; 1999; pp. 4165-4174.	
	CD	KLEIN et al.; "Ordered Stretching of Single Molecules of Deoxyribose Nucleic Acid Between Microfabricated Polystrene Lines"; Applied Physics Letters 78; April 16, 2001; pp. 2396-2398.	
	CE	KRUPKE et al.: "Patterning and Visualizing Self-Assembled Monolayers with Low-Energy Electrons"; Nano Letters 2; 2002; pp. 1161-1164.	
	CF	LEE et al.; "Label Free Electrical Detection of DNA Hybridization by Nanogap Junction [MP 022]"; ALA, Small Talk2002, Final Program and Abstracts; July 28-31, 2002.	
	CG	LETSINGER et al.; "Synthesis of Oligothymidylates via Phosphotriester Intermediates"; Journal of the American Chemical Society 91:12; June 4, 1969; pp. 3350-3355.	
	CH	LEWIS et al.; "Distance-Dependent Electron Transfer in DNA Hairpins"; Science 277; August 1, 1997; pp. 673-676.	
	CI	MAIA et al.; "Mild Reductive Cleavage of Tryptophane and Histidine Side-Chain Protecting Groups"; Eur. J. Org. Chem 2001; pp. 1967-1970.	
	CJ	MAHIEU, et al.; "Synthesis of New Thiosulfonates and Disulfides from Sulfonyl Chlorides and Thiols"; Synthetic Communications 16(13); (1986); pp. 1709-1722.	
	CK	MAIRANOVSKY; "Electro-Deprotection - Electrochemical Removal of Protecting Groups"; Angew. Chem. Int. Ed. Engl. 15; (1976); pp. 281-292.	
	CL	NYASSE, et al.; "Synthesis and cathodic cleavage of a set of substituted benzenesulfonamides including the corresponding <i>tert</i> -butyl sulfonylcarbamates; pK_a of sulfonamides"; J. Chem. Soc. Perkin Trans. I; 1995; pp. 2025-2031.	
	CM	OKAHATA et al.; "Anisotropic Electric Conductivity in an Aligned DNA Cast Film"; J. Am. Chem Soc. 120; June 5, 1998; pp. 6165-6166.	
	CN	PARK et al.; "Array-Based Electrical Detection of DNA with Nanoparticle Probes"; Science 295; February 22, 2002; pp. 1503-1506.	
	CO	PORATH et al.; "Direct Measurement of Electrical Transport through DNA Molecules"; Nature 403; February 10, 2000; pp. 635-638.	
✓	CP	PÜSCHL et al.; "Solution Phase Synthesis of Dithymidine Phosphorothioate by a Phosphotriester Method Using New S-Protecting Groups"; Nucleosides & Nucleotides 16; 1997; pp. 145-158.	
✓	CQ	TRANS et al.; "Potential Modulations Along Carbon Nanotubes"; Nature 404; April 2000; pp. 834-835.	
✓	CR	TRIGALO et al.; "Chemistry of Bacterial Endotoxins. Part 4. Synthesis of Anomeric 2-Deoxy-2-[<i>(3R</i>)-3-hydroxytetradecanimido]-D-glucopyranosyl Phosphate and Pyrophosphate Derivatives Related to 'Lipid A"'; J. Chem. Soc. Perkin Trans. I; 1988; pp. 2243-2249.	



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			11210-010-999	09/970,087
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✓	CS	UMEK et al.; "Electronic Detection of Nucleic Acids a Versatile Platform for Molecular Diagnostics"; Journal of Molecular Diagnostics 3; May 2001; pp. 74-84.		
✓	CT	WARMAN et al.; "DNA: A Molecular Wire?"; Chemical Physics Letters 249; February 9, 1996; pp. 319-322.		
✓	CU	WATSON et al.; "Technology for Microarray Analysis of Gene Expression"; Current Opinion in Biotechnology 9; 1998; pp. 609-614.		
✓	CV	WHITESIDES et al.; "Wet Chemical Approaches to the Characterization of Organic Surfaces: Self-Assembled Monolayers, Wetting, and the Physical-Organic Chemistry of the Solid-Liquid Interface" Langmuir 6; 1990; pp. 87-96.		
✓	CW	YU et al.; "Electronic Detection of Single-Base Mismatches in DNA with Ferrocene-Modified Probes"; J. Am. Chem. Soc. 123; 2001; pp. 11155-11161.		
EXAMINER		DATE CONSIDERED	10/13/03	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.